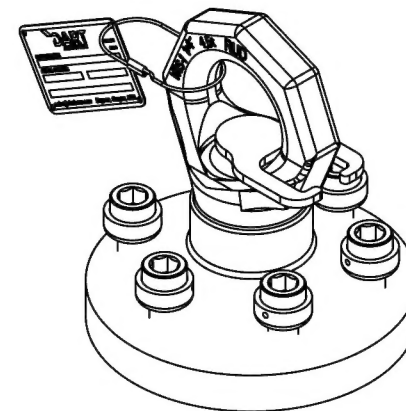
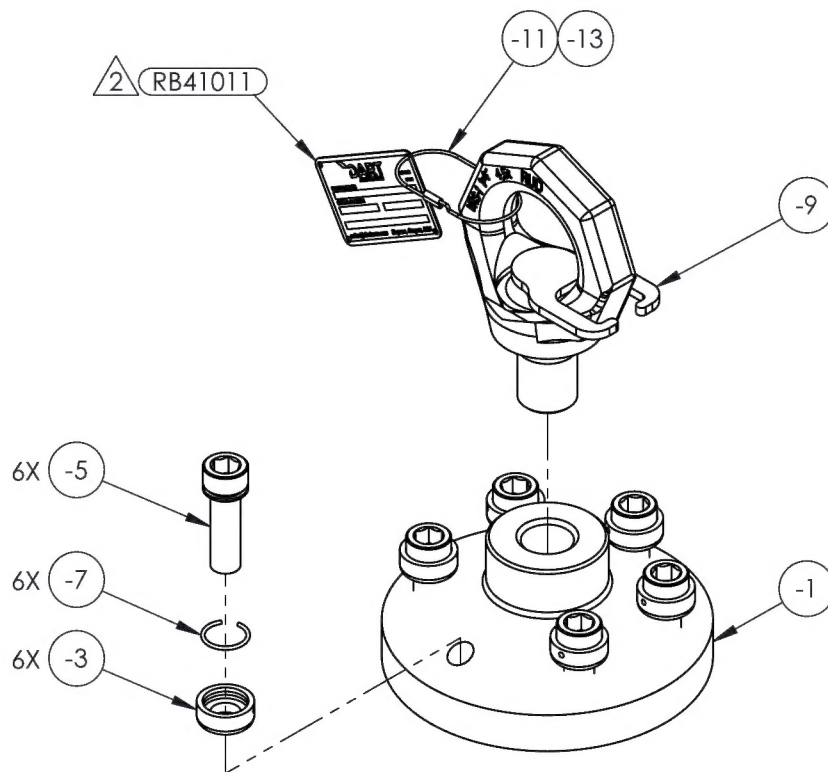


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	5/26/2017	DPD	JAG



NOTES:

1. REF. AIRBUS T/N: 105W27.
2. ENGRAVE T/N, S/N, SWL 8091 LBS/3670 Kg.
3. USED ON MODEL:
BO 105, BK 117, EC145, EC645, H145, H145M.



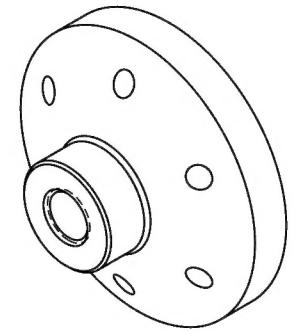
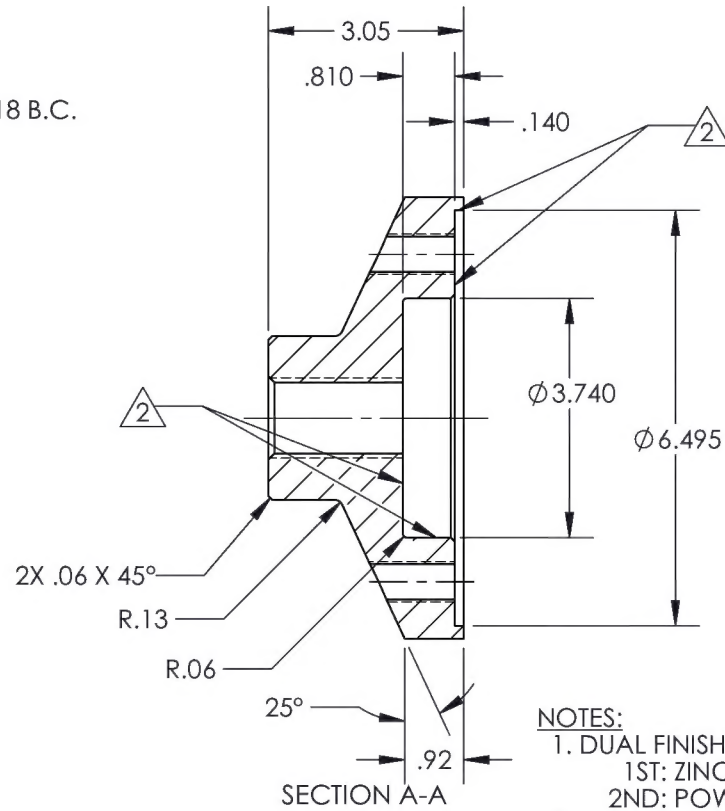
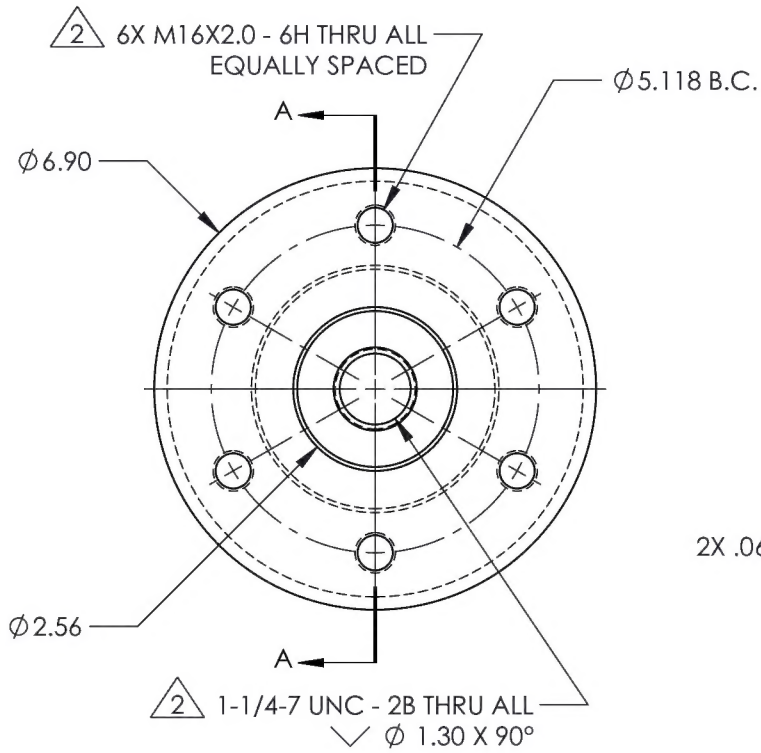
TITLE
MAIN GEAR BOX HOISTING DEVICE

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.	DWG NO.	REV
			-1	1	ADAPTER	4140/4142		2	RBE105W27	1
			-3	6	SPECIAL WASHER	4140/4142		3		
			-5	6	SOCKET HEAD CAP SCREW	STEEL	M16 X 2mm X 50mm, CLASS 12.9 (MCMaster-CARR #91290A820) MODIFIED	4		
		B/O	-7	6	ROUND WIRE SNAP RING	STEEL	Ø2mm X Ø25mm (FASTENAL #11509175)	1		
		B/O	-9	1	LIFTING BOLT	STEEL	1-1/4-7 x 1-7/8, Ø2-3/8 I.D., WLL 9920 LBS (FASTENAL #0502648)	1	RBE105W27	1
		B/O	-11	1	LANYARD	COATED STEEL	Ø1/16 X 3 (CARR LANE #CL-2-C)	1		
		B/O	-13	1	FERRULE	ALUMINUM	Ø1/16 X 3/8 (MCMaster-CARR #3896T31)	1		
		B/O		1	DART PLACARD	ALUMINUM	RB41011	1		

DWG NO.		REV
RBE105W27		1
MAT'L		UNLESS OTHERWISE SPECIFIED
TREAT		DIMENSIONS ARE IN INCHES
FINISH		.XXX ± .005 FRACTIONS ± 1/8
SPEC		.XX ± .01 ANGLES ± 5°
DRAWN BY: DD 05/01/2017		.X ± .1 SURFACES = 125°
CHECKED: SM 05/04/2017		1. BREAK ALL SHARP EDGES
OPPS APPR: AA 05/10/2017		.015 x 45° OR .015R
QA APPR: JL 05/24/2017		2. DIMENSIONAL LIMITS APPLY
APPROVED: JAG 06/08/2017		AFTER PLATING
SCALE 1:4		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 5/1/2017		USED ON MODEL
SHEET 1 OF 5		SEE NOTE 3

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REVISIONS							
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED



- NOTES:
1. DUAL FINISH:
1ST: ZINC PLATE, ASTM B633 TYPE I SC2.
2ND: POWDER COAT YELLOW, FED #13538.
 2. NO POWDER COAT THIS SURFACE.

(-1)
ADAPTER

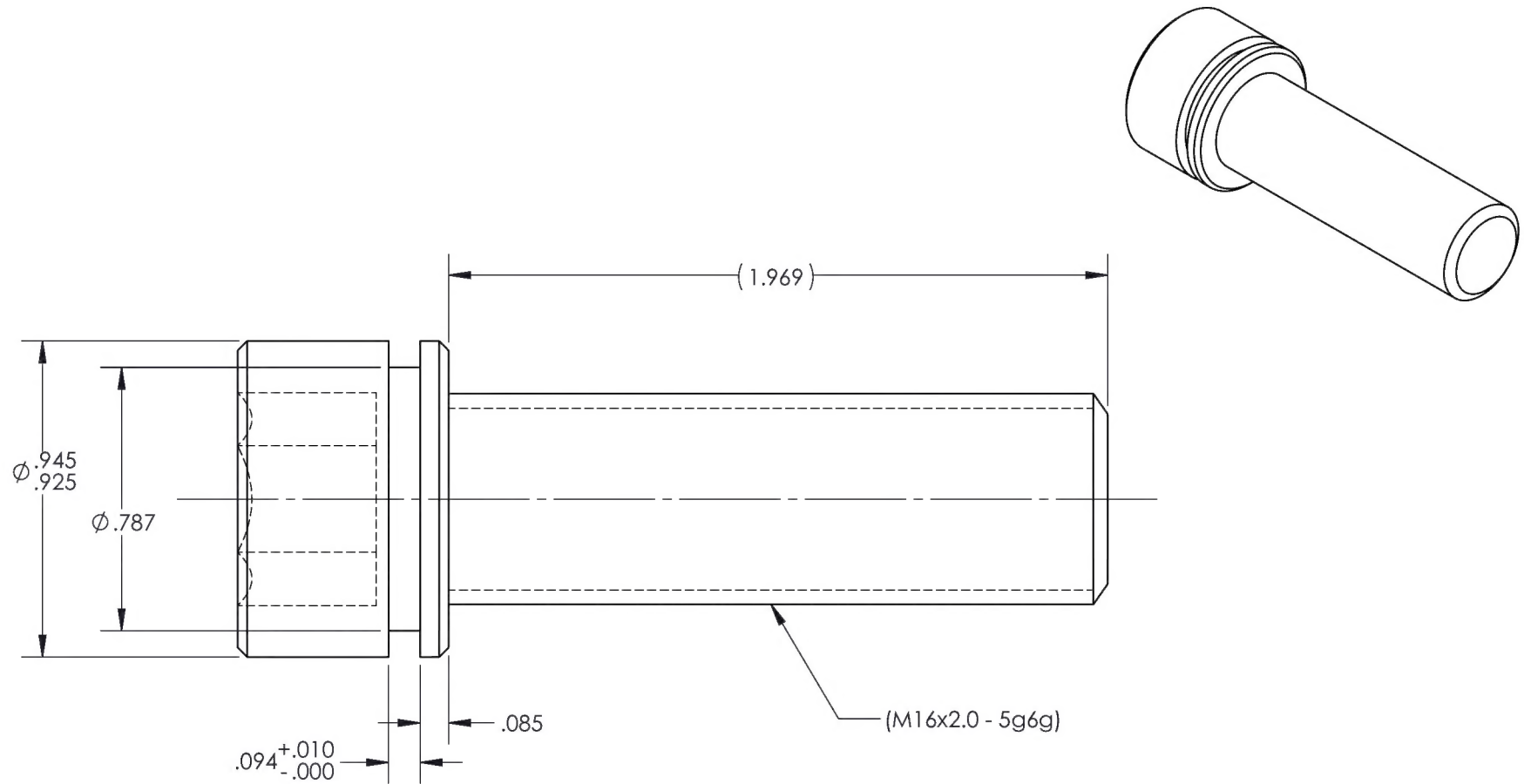
DART AEROSPACE			
TITLE MAIN GEAR BOX HOISTING DEVICE			
DWG NO. RBE105W27-1			REV 1
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED		
HEAT TREAT RC 37-43	DIMENSIONS ARE IN INCHES		
FINISH SEE NOTE	.XXX ± .005 FRACTIONS ± 1/8		
SPEC	.XX ± .01 ANGLES ± 5°		
DRAWN BY: DD 05/01/2017	.X ± .1 SURFACES = 125°		
CHECKED: SM 05/04/2017	1. BREAK ALL SHARP EDGES		
OPPS APPR: AA 05/10/2017	.015 x 45° OR .015R		
QA APPR: JL 05/24/2017	2. DIMENSIONAL LIMITS APPLY		
APPROVED: JAG 06/08/2017	AFTER PLATING		
SCALE 1:3	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009		
DATE 5/1/2017	USED ON MODEL		
SHEET 2 OF 5			SEE NOTE 3, SHEET 1

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED

			
TITLE <h1>MAIN GEAR BOX HOISTING DEVICE</h1>			
DWG NO. <h2>RBE105W27-3</h2>			REV <h2>1</h2>
MAT'L 4140/4142 HEAT TREAT RC 37-43 FINISH ZINC PLATE SPEC ASTM B633 TYPE I SC 2		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES ± .125 ✓	
DRAWN BY: DD 05/01/2017 CHECKED: SM 05/04/2017 OPPTS APPR: AA 05/10/2017 QA APPR: JL 05/24/2017 APPROVED: JAG 06/08/2017		1. BREAK ALL SHARP EDGES .015 x 45° OR .15R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 USED ON MODEL SEE NOTE 3, SHEET 1	
SCALE	2:1	DATE	5/1/2017
		SHEET 3 OF 5	

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REVISIONS			
REV	ECR	DESCRIPTION	DATE



.094^{+.010}
-.000

.085

(M16x2.0 - 5g6g)

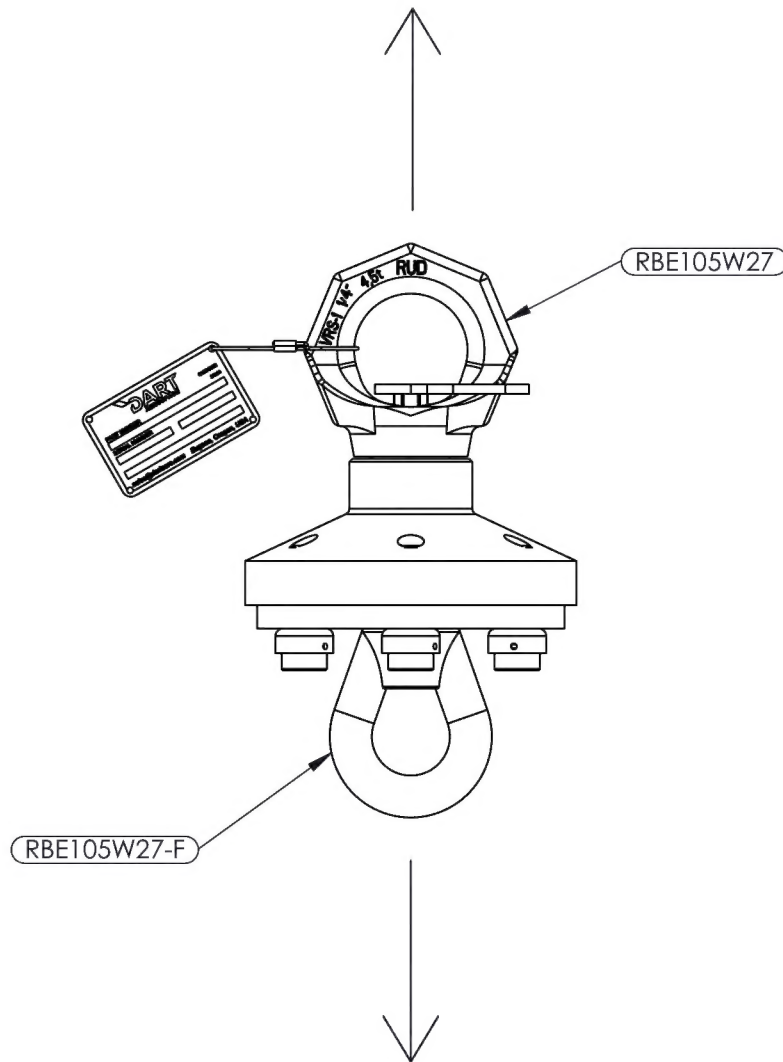
(-5)

SOCKET HEAD CAP SCREW



TITLE MAIN GEAR BOX HOISTING DEVICE			
DWG NO. RBE105W27-5			REV 1
MAT'L STEEL		UNLESS OTHERWISE SPECIFIED	
TREAT		DIMENSIONS ARE IN INCHES	
FINISH BLACK OXIDE		.XXX ± .005 FRACTIONS ± 1/8	
SPEC QMSI-6.2.2, B.O. REV D		.XX ± .01 ANGLES ± 5°	
DRAWN BY: DD 05/01/2017		.X ± .1 SURFACES = 125°	
CHECKED: SM 05/04/2017		1. BREAK ALL SHARP EDGES	
OPPS APPR: AA 05/10/2017		.015 x 45° OR .015R	
QA APPR: JL 05/24/2017		2. DIMENSIONAL LIMITS APPLY	
APPROVED: JAG 06/08/2017		AFTER PLATING	
SCALE 2:1		3. INTERPRET DIM AND TOL PER	
DATE 5/1/2017		ASME Y14.5M-2009	
SHEET 4 OF 5		USED ON MODEL	
		SEE NOTE 3, SHEET 1	

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INSPECTION & TESTING PROCEDURES FOR THE
RBE105W27 MAIN GEAR BOX HOISTING DEVICE.
INSPECT THIS ASSEMBLY BEFORE EACH USE.
REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED
OF DAMAGE BEFORE USING!

FIRST ARTICLE WEIGHT TEST

1. AFTER INSPECTION, ATTACH THE MAIN GEAR BOX HOISTING DEVICE TO TEST FIXTURE RBE105W27-F.
2. ATTACH WEIGHT OF 7,340kg. / 16,182 LBS.
3. LIFT WEIGHT FOR AT LEAST 5 MINUTES, CONTINUALLY CHECKING FOR CRACKS, DEFLECTION, OR DISTORTION.
4. REMOVE WEIGHT AND RE-INSPECT SLING, CHECKING FOR STRESS CRACKS, BENDING, OR DISTORTIONS.

INSPECTOR: _____

TESTER: _____

S/N: _____

DATE: _____



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dartaerospace.com

TITLE MAIN GEAR BOX HOISTING DEVICE			
DWG NO. RBE105W27	REV 1	CUSTOMER 1 OF 1	
SCALE 1:4	DATE 5/1/2017	SHEET	5 OF 5